



*cancers*



an Open Access Journal by MDPI

## Molecular Imaging in Oncology: Recent Advances

Guest Editor:

**Prof. Dr. Lioe-Fee de Geus-Oei**

Department of Radiology,  
Section of Nuclear Medicine,  
Leiden University Medical Center,  
Albinusdreef 2, 2333 ZA Leiden,  
The Netherlands

Deadline for manuscript  
submissions:

**15 September 2024**

### Message from the Guest Editor

Nuclear medicine and molecular imaging thrive under continuous change. Molecular imaging is a technique that facilitates the non-invasive imaging of molecular targets. In the current decade, a wave of new theranostic compounds, targeting the same receptor for imaging and therapy, will change the oncology therapeutic arsenal. The rapid development of quantitative molecular imaging (PET and SPECT), combined with high-level abilities in cross-sectional morphological imaging (CT and MRI), has excavated exciting opportunities. This way, the field of nuclear medicine has rejuvenated itself repeatedly. This Special Issue highlights the hot topics of the molecular imaging tracer principle, which provides rich soil for scientific discovery, clinical diagnosis, treatment response monitoring, image-guided decision making, precision medicine and personalized medicine, non-invasive tissue characterization, the development of new tracers and imaging biomarkers, the development of (radiomics-based) prediction tools, artificial intelligence, deep learning, Big Data, targeted radionuclide therapies, and personalized dosimetry.



[mdpi.com/si/146714](https://mdpi.com/si/146714)

# Special Issue



# cancers



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Samuel C. Mok

Department of Gynecologic  
Oncology and Reproductive  
Medicine, The University of Texas  
MD Anderson Cancer Center,  
Houston, TX 77030, USA

## Message from the Editor-in-Chief

*Cancers* is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Oncology*) / CiteScore - Q1 (*Oncology*)

## Contact Us

*Cancers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cancers](http://mdpi.com/journal/cancers)  
[cancers@mdpi.com](mailto:cancers@mdpi.com)  
X@Cancers\_MDPI